

## **Attachment E: Technical Library Contents**

The Technical Library contains a variety of documents that Offerors may find helpful. The Technical Library website can be accessed via the link below:

<https://iss.sp.jsc.nasa.gov/Int/Projects/LEOComm/CDISS-Tech-Library>

### **1. Proposal Reference Documents**

- A. SSP 51074 Commercial Element Requirements Document – Draft
- B. ISS Commercial Element Port Accommodations Handbook – Revision B
- C. SSP 50964 Visiting Vehicle ISS Integration Plan
- D. BDEALS/BHSEALS/Joint Tests Events List – Draft Templates
- E. Forecasting Future Demand in Low Earth Orbit: Revision Two – Quantifying Demand
- F. Applicable and Reference Documents

### **2. Additional Information**

#### **A. Requirements and Safety Data**

- 1. Safety Requirements and Processes
  - a. Safety Initial Contact Briefing - Commercial Element
  - b. SSP 30599 Rev. F Safety Review Process
  - c. SSP 51700 DCN004 Collated Master - Payload Safety Policy and Rqmts for ISS
  - d. NPR\_8715\_003D - NASA General Safety Program Requirements
  - e. SSP 30309 Safety Analysis and Risk Assessment Requirements Document
  - f. SSP 41173 Space Station Quality Assurance Requirements
  - g. SSP 51721 ISS Safety Requirements Document - Draft
- 2. Medical Requirements
  - a. ISS Crewmember Selection Criteria
  - b. JSC 22538 Rev. E Health Stabilization Plan
  - c. SSP 50667 Vol. A Appendix E Validity Periods for Medical Screening Tests for ISS Medical Selection and Retention
  - d. SSP 50667 Vol. A Appendix F Minimal Medical Evaluations for ISS Spaceflight Certification for Short Duration Commercial Crewmembers
  - e. SSP 50667 Vol. C Medical Standards and Certification Procedures For Space Flight Participants
- 3. Other ISS Requirements Documents
  - a. SSP 41172 Qualification and Acceptance Environmental Test Requirements
  - b. SSP 50482 ISS Program Software Management Plan
  - c. SSP 50808 International Space Station (ISS) to Commercial Orbital Transportation Services (COTS) Interface Requirements Document (IRD)
  - d. SSP 57057 ISS Science, Technology, and Exploration Integration Flow
  - e. SSP 57000 Pressurized Payloads Interface Requirements Document
  - f. SSP 57003 External Payload Interface Requirements Document

#### **B. ISS Ground Module Reference Data**

NextSTEP-2 BAA, Appendix I: Commercial Destination Development in LEO using the ISS  
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1. Mini Pressurized Logistics Module (MPLM)
  - a. SSP 42007 United States On-orbit to Italian Mini Pressurized Logistics Module Interface Control Document Part 1
  - b. SSP 41017 Rack to Mini Pressurized Logistics Module Interface Control Document (ICD) Part 1
  - c. SSP 41017 Rack to Mini Pressurized Logistics Module Interface Control Document (ICD) Part 2
2. Node Structural Test Article (STA)
  - a. Strategy to gain confidence in Node STA structural integrity
  - b. D684-14325-01A Docking Hub STA Upgrade Plan
  - c. EID684-14522 Docking Hub Primary Structure IDR1 Presentations

**C. Design Reference Data**

1. Emergency Response Strategy and Hardware
  - a. Fire Strategy and Hardware
  - b. Rapid Depress Strategy and Hardware
  - c. Toxic Atmosphere Strategy and Hardware
2. RPOC Overview
3. ISS Reference Packet
4. ISS Figure Configured for Commercial Element
5. JSC 35089 Rev. A Visiting Vehicle Operations Document
6. NASA Technology Readiness Levels
7. Handbook for Designing MMOD Protection
8. ECLSS Development Challenges and Concerns
9. Removal of ISS Elements Feasibility Assessment Overview
10. NASA Systems Engineering Handbook
11. NASA DDT&E Considerations for Safe and Reliable Human Rated Spacecraft Systems.pdf
12. NPR 7150.2B, NASA Software Engineering Requirements
13. NPR 7123.1B, NASA Systems Engineering Processes and Requirements

**D. ISS Processes and Overviews**

1. Reference Guide to the International Space Station
2. Research Capabilities
  - a. International Space Station Facilities: Research in Space 2017 and Beyond
  - b. ISS Researcher's Guides
3. ISS Logistics and Maintenance Overview
4. ISS Background Information

**E. Policy Info**

1. ISS Crew Code of Conduct
2. NASA Media Usage Guidelines
3. NID on Use of the International Space Station (ISS) for Commercial and Marketing Activities
4. Additional NASA policies are located at <https://nodis3.gsfc.nasa.gov/>.